

Borchi® Dragon

High-Performance Catalyst for High Solids Alkyd Systems

Borchi® Dragon is a high-performance catalyst for the curing of high solids, long oil alkyd resins that allows for **low Volatile Organic Compound (VOC) formulations.**

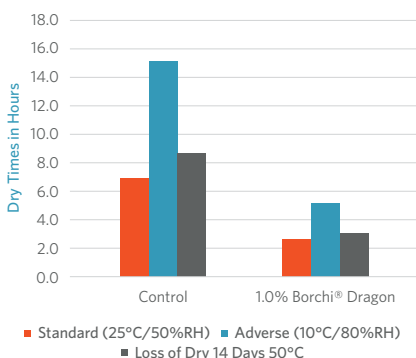
Borchi® Dragon is also cobalt-free. Cobalt has been facing regulatory challenges - in the U.S., the EPA has recently prioritized Cobalt and Cobalt Compounds for risk assessment and possible regulatory reclassification.

High-Performance Benefits

- Faster dry times compared to cobalt
- Less yellow tones (b* value) than cobalt
- Complexity reduction / Minimum dependency on through driers
- Non-wrinkling in thick films and high solids
- No loss of dry over stability
- Improved wet adhesion
- Consistent hardness over time / Does not become brittle
- Reduced skinning
- Cost efficient
- Corrosion prevention
- Extended coating season windows

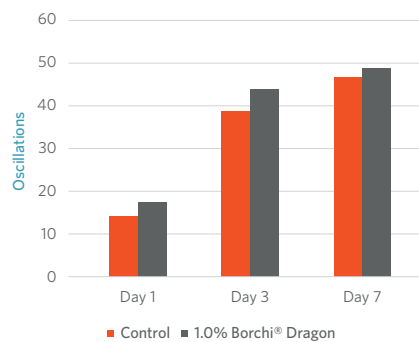
Dry Time Comparison

Under Standard Conditions, Adverse Conditions and Loss of Dry



Hardness

König Pendulum



Clear Thick Film Varnish

Material	Control	Borchi® Dragon
UROTUF F275-M-75	66.67	66.67
Mineral Spirits	2.78	2.78
DOW 244 Fluid	30.55	30.55
12% Cobalt Hex-Cem®	0.04	0.00
Dri-RX® HF	0.10	0.00
Skino® #2	0.12	0.00
Borchi® Dragon	0.00	0.45
TOTAL	100.27	100.45

Drier Package

1.0% Borchi® Dragon on resin solids provides improved dry times compared to cobalt containing catalysts in clear thick film varnish coatings. Hardness is comparable to cobalt containing catalysts.

Borchi® Dragon

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Where can Borchi® Dragon be used?

Architectural Coatings

Brighter whites ■ Improved dry times

High Gloss White Enamels

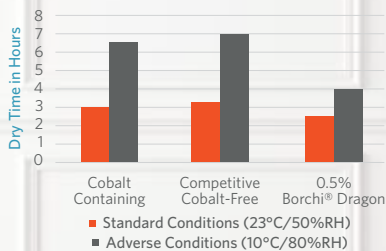
Brighter Whites & Non-Yellowing



Cobalt Containing Borchi® Dragon

Color performance is enhanced when using Borchi® Dragon compared to cobalt containing catalysts.

Through Dry Time Comparison



Dry times are improved in standard and adverse conditions when using 0.5% Borchi® Dragon on resin solids.

Wood Coatings

Wrinkling prevention ■ Reduced yellowing

Clear Standard Varnishes

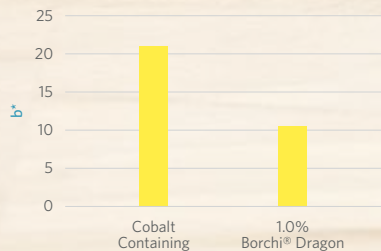
Wrinkling Prevention



Cobalt Containing Borchi® Dragon

Unlike cobalt containing catalysts, Borchi® Dragon prevents wrinkling from thick film builds.

Non-Yellowing (b* value)



1.0% Borchi® Dragon on resin solids has a lower b* value than cobalt containing catalysts, indicating non-yellowing.

Industrial Coatings

Wet adhesion ■ Improved dry times

High Gloss Black DTM

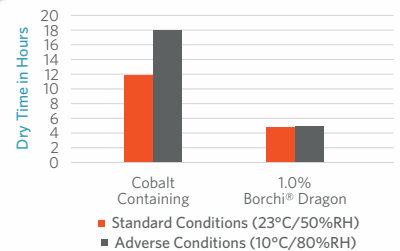
Wet Adhesion



Cobalt Containing Borchi® Dragon

Borchi® Dragon provides better wet adhesion than cobalt containing catalysts.

Through Dry Time Comparison



Dry times are improved in standard and adverse conditions when using 1.0% Borchi® Dragon on resin solids.

Order your sample at:
www.borchers.com/contact